

Rabbit anti-Human p53 Monoclonal Antibody | anti-p53 antibody

Anti - p53

CATALOG # AAA79002	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

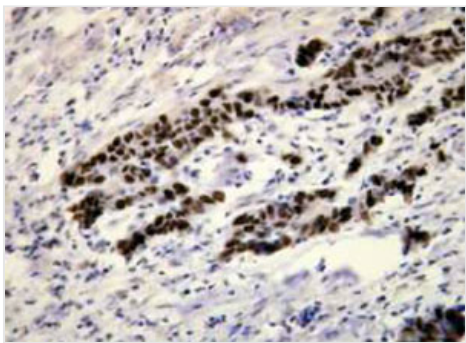
p53; Monoclonal Antibody; Anti - p53; anti-p53 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	M26-A
Specificity	Human
Sequence Length	393
Applicable Applications for anti-p53 antibody	IHC (Immunohistochemistry)
Immunogen	Peptide derived from N-terminal sequence of human p-53. Antibody recognizes the epitope between Ser46-Pro67.
Buffer	20 mM Tris-HCl, pH 8.0
Stabilizer	20 mg/ml BSA
Preservative	0.05% NaN ₃
Cellular localization	Nucleus
Positive Control	renal cell carcinoma tissue, colon carcinoma tissue.

IHC-P Protocol	Instruction Manual 1. Deparaffinize the section in 3 changes of xylene, 5 minutes each. 2. Wash the section in 96%, 80% and 70% ethyl alcohol for 10 minutes each. 3. Rinse in distilled water. 4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes. 5. Wash in distilled water. 6. For antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 0.05% Tween-20*, and incubate in water bath at 96-98°C for 20-25 minutes. (Alternatively adjust to your own protocol, keeping the required pH). 7. Transfer the slide to room temperature and let it cool down (in Tris-EDTA buffer, pH 9.0) for 15 minutes. 8. Rinse in distilled water. 9. Wash in 0.05 M Tris-HCl, pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A) for 5 minutes. 10. Concentrated: Incubate the section with primary antibody at the dilution 1:100-1:500 for 1 hour in the closed wet chamber. Ready to use(RTU): Incubate the section with primary antibody (ready to use) for 1 hour in a closed wet chamber. 11. Wash twice 5 minutes with buffer A. 12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). Micropolymer-HRP detection kit rabbit/mouse dual of MBS, Inc. is suggested. 13. Wash twice 5 minutes with buffer A. 14. Apply the chromogen (DAB), 1-3 minutes. 15. Rinse in water. 16. Stain in hematoxylin for 5 minutes. 17. Wash in water – 10 minutes. 18. Dehydrate the section in 2 changes of 96% ethyl alcohol for 5 minutes each. 19. Wash the section in 2 changes of xylene for 2 minutes each. 20. Mount the slide for observation. * Tris-EDTA Buffer (10mM Tris Base, 1mM EDTA solution, 0.05% Tween-20, pH 9.0): Tris ----- 1.21 g; EDTA ----- 0.37 g; Distilled water ----- 1000 ml Mix to dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1M HCl and then add 0.5 ml of Tween-20 and mix well. Adjust the final volume to 1 liter with distilled water. Store this solution at room temperature for 3 months or at +4°C for longer storage.
Precautions	1. We strongly recommend using the Primary Antibody Diluent , eventually alternative diluent (containing protease free BSA at the concentrations > = 1mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided. 2. Centrifuge the vial before use. 3. Intended for research use in laboratories. 4. Do not use after expiration date stamped on vial label. 5. Avoid contamination of the reagent. 6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results. 7. The reagent contains sodium azide (NaN₃) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous. 8. Disposal of waste material must be conducted in accordance with local regulations. 9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
Preparation and Storage	Store at +4 degree C.

IMAGES



IHC (Immunohistochemistry)
Ovarian high grade serous carcinoma with diffuse strong nuclear p53 expression. Formalin fixed, paraffin embedded human tissue (4 um section) stained with anti - p53 monospecific clonal antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	269849759
NCBI GeneID	7157
UniProt Accession #	P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
NCBI Official Full Name	Cellular tumor antigen p53
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; TRP53
NCBI Protein Information	cellular tumor antigen p53; antigen NY-CO-13; tumor protein 53; phosphoprotein p53; p53 tumor suppressor; mutant tumor protein 53; transformation-related protein 53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53
UniProt Entry Name	P53_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/p53-antibody-clone-m26-a-immunohistochemistry-elisa/79002>